JOURNAL OF ZOOLOGY

Volume 256 Contents

Part 1, January 2002

Blouin-Demers, G., Prior, K. A. and Weatherhead, P. J., Comparative demography of black rat snakes (*Elaphe obsoleta*) in Ontario and Maryland 1

Santini, G., Bianchi, T. and Chelazzi, G., Metabolic responses to food deprivation in two limpets with different foraging regimes, revealed by recording of cardiac activity 11

Craze, P. G. and Lace, L. A., Differences in physiological tolerance between coexisting taxa of the Madeiran land snail genus *Heterostoma* under controlled humidity and simulated rainfall 17

van der Westhuizen, L. A., Bennett, N. C. and Jarvis, J. U. M., Behavioural interactions, basal plasma luteinizing hormone concentrations and the differential pituitary responsiveness to exogenous gonadotrophin-releasing hormone in entire colonies of the naked mole-rat (*Heterocephalus glaber*) 25

Jori, F., López-Béjar, M., Mayor, P. and López, C., Functional anatomy of the ovaries of wild brush-tailed porcupines (*Atherurus africanus*, Gray 1842) from Gabon 35

Harris, J. M. and Cerling, T. E., Dietary adaptations of extant and Neogene African suids 45

Thomson, S. C., Brooke, A. P. and Speakman, J. R., Soaring behaviour in the Samoan flying fox (*Pteropus samoensis*) 55

Logan, M. and Sanson, G. D., The effect of tooth wear on the feeding behaviour of free-ranging koalas (*Phascolarctos cinereus*, Goldfuss) 63

Avilés, J. M., Sánchez, J. M. and Parejo, D., Food selection of wintering common cranes (*Grus grus*) in holm oak (*Quercus ilex*) dehesas in south-west Spain in a rainy season 71

Ruxton, G. D., Thomas, S. and Wright, J. W., Bells reduce predation of wildlife by domestic cats (*Felis catus*) 81

Yeboah, S. and Dakwa, K. B., Colony and social structure of the Ghana mole-rat (*Cryptomys zechi*, Matchie) (Rodentia: Bathyergidae) 85

Galimberti, F., Fabiani, A. and Sanvito, S., Opportunity for selection in southern elephant seals (*Mirounga leonina*): the effect of spatial scale of analysis 93

Magris, L. and Gurnell, J., Population ecology of the red squirrel (*Sciurus vulgaris*) in a fragmented woodland ecosystem on the Island of Jersey, Channel Islands 99

Waterman, J. M., Delayed maturity, group fission and the limits of group size in female Cape ground squirrels (Sciuridae: *Xerus inauris*) 113

Macdonald, D. W. and Newman, C., Population dynamics of badgers (*Meles meles*) in Oxfordshire, U.K.: numbers, density and cohort life histories, and a possible role of climate change in population growth 121

Part 2, February 2002

Hodum, P. J., Breeding biology of high-altitude Antarctic fulmarine petrels (Procellariidae) 139

Arrese, C., Archer, M. and Beazley, L. D., Visual capabilities in a crepuscular marsupial, the honey possum (*Tarsipes rostratus*): a visual approach to ecology 151

Lindner, E. and Fuelling, O., Marking methods in small mammals: ear-tattoo as an alternative to toe-clipping 159

Cotterill, F. P. D., A new species of horseshoe bat (Microchiroptera: Rhinolophidae) from south-central Africa: with comments on its affinities and evolution, and the characterization of rhinolophid species 165

Granjon, L., Aniskin, V. M., Volobouev, V. and Sicard, B., Sand-dwellers in rocky habitats: a new species of *Gerbillus* (Mammalia: Rodentia) from Mali 181

Arrese, C., Pupillary mobility in four species of marsupials with differing lifestyles 191

Loison, A., Toïgo, C., Appolinaire, J. and Michallet, J., Demographic processes in colonizing populations of isard (*Rupicapra pyrenaica*) and ibex (*Capra ibex*) 199

Liang, M.-F., Huang, C.-H. and Kam, Y.-C., Effects of intermittent feeding on the growth of oophagous (*Chirixalus eiffingeri*) and herbivorous (*Chirixalus idiootocus*) tadpoles from Taiwan 207

Holbrook, L. T., The unusual development of the sagittal crest in the Brazilian tapir (*Tapirus terrestris*) 215

Blackburn, J., Farrow, M. and Arthur, W., Factors influencing the distribution, abundance and diversity of geophilomorph and lithobiomorph centipedes 221

Smith, T. L., Povel, G. D. E. and Kardong, K. V., Predatory strike of the tentacled snake (*Erpeton tentaculatum*) 233

Szuma, E., Dental polymorphism in a population of the red fox (*Vulpes vulpes*) from Poland 243

Williams, R. M., Trites, A. W. and Bain, D. E., Behavioural responses of killer whales (*Orcinus orca*) to whale-watching boats: opportunistic observations and experimental approaches 255

Jackson, S. M. and Johnson, C. N., Time allocation to foraging in the mahogany glider *Petaurus gracilis* (Marsupialia, Petauridae) and a comparison of activity times in exudivorous and folivorous possums and gliders 271

Part 3, March 2002

Holland, N. and Jackson, S. M., Reproductive behaviour and food consumption associated with the captive breeding of platypus (*Ornithorhynchus anatinus*) 279

Murray, D. L. and Larivière, S., The relationship between foot size of wild canids and regional snow conditions: evidence for selection against a high footload? 289

Asoh, K. and Kasuya, M., Gonadal development and mode of sexuality in a coral-reef damselfish, *Dascyllus trimaculatus* 301
Renous, S., Gasc, J.-P., Bels, V. L. and Wicker, R., Assymetrical gaits of juvenile *Crocodylus johnstoni*, galioping Australian crocodiles 311
de Klerk, H. M., Crow, T. M., Fjeldså, J. and Burgess, N. D., Patterns of species richness and narrow endemism of terrestrial bird species in the Afrotropical region 327
Derocher, A. E. and Wiig, Ø., Postnatal growth in body length and mass of polar bears (*Ursus maritimus*) at Svalbard 343
Arnould, J. P. Y. and Hindell, M. A., Milk consumption, body composition and pre-weaning growth rates of Australian fur seal (*Arctocephalus pusillus doriferus*) pups 351
Hauer, S., Ansorge, H. and Zinke, O., Mortality patterns of otters (*Lutra lutra*) from eastern Germany 361
Kahila Bar-Gal, G., Smith, P., Tchernov, E., Greenblatt, C., Ducos, P., Gardeisen, A. and Horwitz, L. K., Genetic evidence for the origin of the agrimi goat (*Capra aegagrus cretica*) 369
Rydell, J., Parker McNeill, D. and Eklöf, J., Capture success of little brown bats (*Myotis lucifugus*) feeding on mosquitoes 379
Bull, C. M. and Burzacott, D., Changes in climate and in the timing of pairing of the Australian lizard, *Tiliqua rugosa*: a 15-year study 383
Banks, S. C., Skerratt, L. F. and Taylor, A. C., Female dispersal and relatedness structure in common wombats (*Vombatus ursinus*) 389
Gursky, S., Determinants of gregariousness in the spectral tarsier (Prosimian: *Tarsius spectrum*) 401
Biswas, S. and Sankar, K., Prey abundance and food habit of tigers (*Panthera tigris tigris*) in Pench National Park, Madhya Pradesh, India 411

Part 4, April 2002

Richard, A. F., Dewar, R. E., Schwartz, M. and Ratsirarson, J., Life in the slow lane? Demography and life histories of male and female sifaka (*Propithecus verreauxi verreauxi*) 421
de Castro, R. J., Nakatani, K., Bialetzki, A., Sanches, P. V. and Baumgartner, G., Temporal distribution and composition of the ichthyoplankton from Leopoldo's Inlet on the Upper Paraná River floodplain (Brazil) 437
Molteno, A. J. and Bennett, N. C., Rainfall, dispersal and reproductive inhibition in eusocial Damaraland mole-rats (*Cryptomys damarensis*) 445
Robinson, M. P. and Motta, P. J., Patterns of growth and the effects of scale on the feeding kinematics of the nurse shark (*Ginglymostoma cirratum*) 449
Aung Si, Bellwood, O. and Alexander, C. G., Evidence for filter-feeding by the wood-boring isopod *Sphaeroma terebrans* (Crustacea: Peracarida) 463
Karlsson, B.-L., Eklöf, J. and Rydell, J., No lunar phobia in swarming insectivorous bats (family Vespertilionidae) 473
Warburg, M. R., Elias, R. and Rosenberg, M., The hepatopancreas of *Scorpio maurus fuscus*; seasonal changes in mass and water content as related to gender and oogenesis 479
Meyer, W., Schnapper, A. and Hülmann, G., The hair cuticle of mammals and its relationship to functions of the hair coat 489
Martínez-Ansemil, E., Sambugar, B. and Giani, N., First record of Parvidrilidae (Annelida, Oligochaeta) in Europe with a description of a new species (*Parvidrilus spelaeus* sp. nov.) and comments on the family and its phyletic relationships 495
Nchanji, A. C. and Amubode, F. O., The physical and morphological characteristics of the red-fronted gazelle (*Gazella rufifrons kanuri* Gray 1846) in Waza National Park, Cameroon 505
Sun, L.-X., Shine, R., Zhao, D. and Tang, Z., Low costs, high output: reproduction in an insular pit-viper (*Gloydius shedaoensis*, Viperidae) from north-eastern China 511
Milne, N. and O'Higgins, P., Inter-specific variation in *Macropus* crania: form, function and phylogeny 523
Lovich, J. and Meyer, K., The western pond turtle (*Clemmys marmorata*) in the Mojave River, California, USA: highly adapted survivor or tenuous relict? 537
Trites, A. W. and Porter, B. T., Attendance patterns of Steller sea lions (*Eumetopias jubatus*) and their young during winter 547